

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,149,320 B2  
APPLICATION NO. : 10/733451  
DATED : December 12, 2006  
INVENTOR(S) : Simon Haykin et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Title (item 54 and column 1, line 1), the word "AID" has been changed to --SYSTEM--, so that the title reads --BINAURAL ADAPTIVE HEARING SYSTEM--.

In the Detailed Description Of The Invention section, column 9, line 18, equation 2 has been changed to

$$\text{-- } \gamma_p = \arg \max_{\gamma} \left| \left\langle s_{p-1}(t), h_{\gamma}(t) \right\rangle \right|^2, \text{ and } b_p = \left\langle s_{p-1}(t), h_{\gamma_p}(t) \right\rangle \text{--}$$

In the Detailed Description Of The Invention section, column 17, line 40, the letter "a" has been changed to the symbol -- $\sigma$ --, so that the line reads --tests  $\sigma$  was set to 1 percent of the mean value of  $f_i^2$  although--.

In the Detailed Description Of The Invention section, column 17, line 41, the letter "a" has been changed to the symbol -- $\sigma$ --, so that the line reads --other values can be used for  $\sigma$  to ensure that the model never--.

In the Detailed Description Of The Invention section, column 26, line 38, the first instance of the word " $\tau^{sp}$ " has been changed to -- $\tau_{sp}$ --, so that the line reads --an alternative scaling method  $\tau_{sp\_impaired}[n] = \tau_{sp}[n](\tau_{wide}/\tau_{sp}$ --.

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In the Claims, column 32, line 51, claim 20, section c, the punctuation “;” has been changed to --:--, so that the line reads --hearing loss of the user by :--.

Signed and Sealed this

Third Day of July, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*